

SEC4.04 – The Dimensions of a Functional Analysis

Audience	Practitioners
Overview	<p>The Dimensions of a Functional Analysis workshop provides detailed step by step training for conducting and documenting a functional analysis. The course will develop the basics of a strong and defensible functional analysis. It will provide the student with insight into how a functional analysis should be conducted, documenting the results, and the interaction with Requirements and Synthesis. It covers the application of several analysis techniques with primary emphasis on Functional Flow Diagrams (FFD) and N-squared charts. Included in this workshop is a discussion of other tools such as UML.</p>
Learning Objectives	<p>At the conclusion of this course, participants will be able to:</p> <ul style="list-style-type: none">▪ Transform functional analysis process inputs into a list of top level functions.▪ Organize a function list into a logical relationship using functional flow block diagramming (FFBD) and N2 diagramming.▪ Decompose functions into lower level functions▪ Organize and document resulting functional analysis work products.▪ Describe how the Functional Analysis process iteratively interacts with the Synthesis and Requirements Management processes.
Instructional Methods	(Contact course POC for information)
Prerequisites	SEC 4.01 Key Ingredients to SE
Length	2 half day sessions or 1 full day (8 hours)
Location To Register	Refer to ATO web-based Training Tracking System for current locations. Register via the ATO web-based Training Tracking System (http://arms.faa.gov/). Print and submit a copy of your training request to your directorate training coordinator.

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Cost	No tuition cost to ATO directorate (centrally funded through ATO's Intellectual Capital Investment Plan Council). Travel expenses, if applicable, will be the responsibility of the participant's organization.
Reasonable Accommodation	We are committed to providing equal access to this training for our employees with disabilities. Any participant requiring reasonable accommodation should contact his/her directorate training coordinator.
POC	Kelly W. Coachman, ASD, 202-385-7190
